Stat and Data Analysis Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.1 Categorical Data Practice Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

1. Create a Bar chart for Eye Color from the class data.
2. Create a Pie chart for Eye Color from the class data.
3. Create a Two-Way table for Sex and View of Death Penalty for the class.
   1. What percent of the class are males?
   2. What percent of the class are For the death penalty?
   3. What percent of the class are female and For the death penalty?
   4. What percent of the females are For the death penalty?
   5. What percent of the class are females, given they are For the death penalty?
   6. What percent of those For the death penalty are males?
   7. What percent of the males are Against the death penalty?
   8. What percent of the females are Against the death penalty?
   9. Use the last two percentages does there appear to be a difference in opinion between males and females in the class?
4. Create a Two-Way table for Sex vs Hair Color
   1. What percent of the males have brown hair?
   2. What percent of those that have brown hair are males?
   3. What percent of the class are males and have brown hair?
   4. What percent of females have red hair?
   5. Of **only the males** find the percent of each hair color.
   6. Of **only the females** find the percent of each hair color.
   7. Do the *distributions* of hair color seem to be the same or different between males and females? How can you tell?